

Title (en)

Controlling operations in a cellular system using neighbor association-based cost values

Title (de)

Steuervorgänge in einem Zellularsystem, wobei nachbarn-zugeordnete Kostenwerte benutzt werden

Title (fr)

Opérations de commande dans un système cellulaire par l'usage des valeurs des dépenses associés au voisin

Publication

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Application

EP 99301301 A 19990223

Priority

US 3500698 A 19980305

Abstract (en)

Operations in a cellular system are controlled based on cost values that are generated using neighbor association. In neighbor association, each cost value corresponds to a cost of assigning a candidate channel to a first cell in the cellular system, assuming that the candidate channel is already assigned to a second cell in the cellular system and each cost value is based on an average power attenuation for all of the cells in the cellular system that share the same tier as the second cell with respect to the first cell, wherein the average power attenuation is based on the reuse distances between the first cell and the cells in the same tier. In one embodiment, the cost values are used in a cost-function-based dynamic channel assignment (DCA) algorithm that is, but does not have to be, applied to a list of candidate channels generated using a measurement-based DCA algorithm.

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